*h*CCR9B VersaClone cDNA

Catalog Number: RDC0020

Specifications:

Gene:	*h*CCR9B
Accession:	NP_006632
Insert size:	1086bp
Package size:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

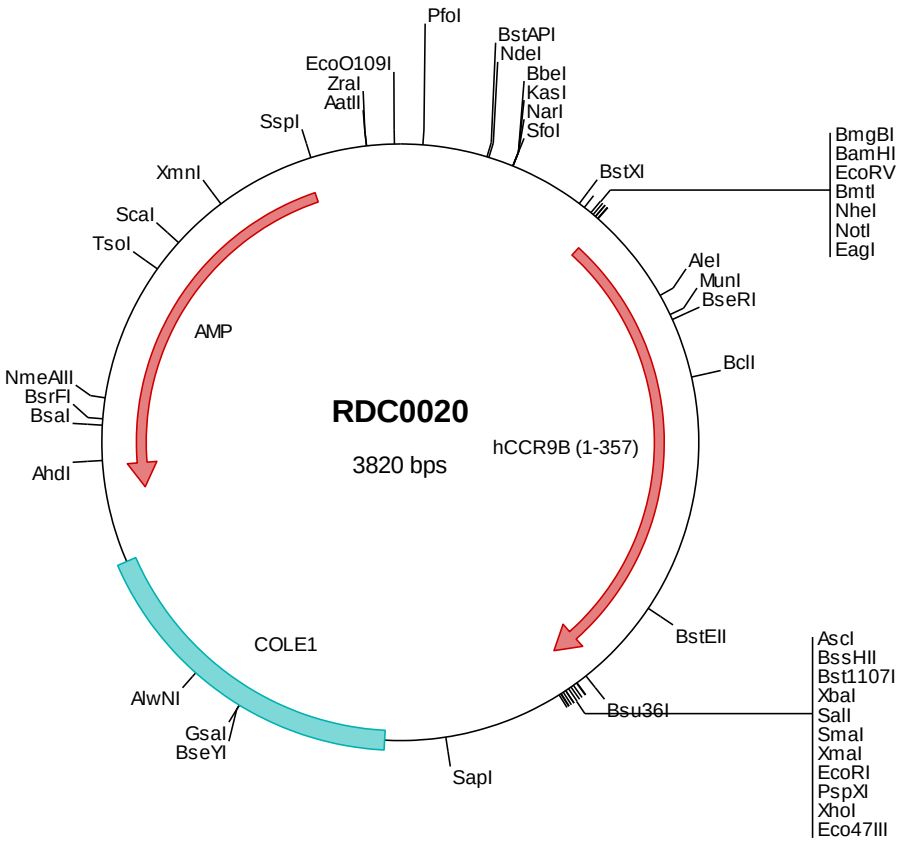
*h*CCR9B cDNA Plasmid

CCR9 chemokine (C-C motif) receptor 9 [*Homo sapiens*]

Also known as: GPR28; CDw199; GPR-9-6; CC-CKR-9

Summary:

CCR9B, a G protein-linked seven transmembrane domain spanning receptor, binds the chemokine SCYA25/TECK. It is differentially expressed on intestinal homing T-lymphocytes, mucosal lymphocytes, and thymocytes. This variant (B) is predicted to initiate from an internal AUG. The encoded protein has a shorter N-terminus than transcript variant A. Like isoform A, CCR9B transduces a signal by increasing the intracellular calcium ion level. CCR9B also acts as an alternative co-receptor with CD4 for HIV-1 infection. The EC50 of SCYA25/TECK for isoform B is higher than for isoform A.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0020 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggctgatg actatggctc tgaatccaca tcttccatgg aagactacgt
 501  taacttcaac ttcactgact tctactgtga gaaaaacaat gtcaggcagt ttgcgagcca tttcctccca cccttgtact ggctcgtgtt catcgtgggt
 601  gccttgggca acagtcttgt tatccttgtc tactggtact gcacaagagt gaagaccatg accgacatgt tccttttgaa tttggcaatt gctgacctcc
 701  tctttcttgt cactcttccc ttctgggcca ttgctgctgc tgaccagtgg aagttccaga ccttcatgtg caaggtggtc aacagcatgt acaagatgaa
 801  cttctacagc tgtgtgttgc tgatcatgtg catcagcgtg gacaggtaca ttgccattgc ccaggccatg agagcgcata cttggaggga gaaaaggctt
 901  ttgtacagca aaatggtttg ctttaccatc tgggtattgg cagctgctct ctgcatccca gaaatcttat acagccaaat caaggaggaa tccggcattg
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3701  aaaataaaca aatagggggtt ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat tatcatgaca ttaacctata aaaataggcg
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> RDC0020 Translated Insert Sequence

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 101  kfqtfmckvv nsmykmnfys cvllimcisv dryiaiaqam rahtwrekrl lyskmvcfti wvlaaalcip eilysqikee sgiaictmvy psdestklks
 201  avltlkvilg fflpfvvmac cytiiihtli qakksskhka lkvtitvltv fvlsqfpync illvqtiday amfisncavs tnidicfqvt qtiaffhscl
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